

Claims

1. An organic electroluminescent device comprising:
 - a transparent electrode,
 - a counter electrode arranged opposite to the transparent electrode,
 - one or more intermediate conductive layers and one or more organic emitting layers arranged between the transparent electrode and the counter electrode,
 - wherein the difference between n_a and n_b is 0.2 or less when n_a is the refractive index of an intermediate conductive layer and n_b is the refractive index of an organic emitting layer.
2. An organic electroluminescent device comprising:
 - a transparent electrode,
 - a counter electrode arranged opposite to the transparent electrode,
 - one or more intermediate conductive layers and a plurality of organic emitting layers sandwiching an intermediate conductive layer therebetween, the intermediate conductive layers and the organic emitting layers arranged between the transparent electrode and the counter electrode,
 - wherein the difference between n_a , and n_b and/or n_c is 0.2 or less when n_a is the refractive index of an intermediate conductive layer, n_b is the refractive index of a first organic

emitting layer and n_c is the refractive index of a second organic emitting layer, the intermediate conductive layer sandwiched between the first and second organic emitting layers.

3. The organic electroluminescent device according to claim 1 or 2, wherein the intermediate conductive layer, the refractive index of which is n_a , is a laminate comprising a layer having a higher refractive index than n_b and/or n_c and a layer having a lower refractive index than n_b and/or n_c .

4. The organic electroluminescent device according to claim 1 or 2, wherein the intermediate conductive layer, the refractive index of which is n_a , is a layer comprising a mixture of a material having a higher refractive index than n_b and/or n_c and a material having a lower refractive index than n_b and/or n_c .

5. The organic electroluminescent device according to claim 1 or 2, wherein the intermediate conductive layer, the refractive index of which is n_a , comprises a material having a low refractive index and a transparent conductive material selected from oxides, nitrides, iodides and borides of metals.

6. The organic electroluminescent device according to claim 5, wherein the material having a low refractive index

is a metal halide, and the transparent conductive material is a conductive metal oxide.

7. The organic electroluminescent device according to claim 1 or 2, wherein the absorption coefficient (unit:1/ μ m) of the intermediate conductive layer, the refractive index of which is n_a , is 2.5 or less.

8. A display comprising the organic electroluminescent device of claim 1 or 2.